

Lijie Qiao

List of Publications by Year in descending order

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28
papers

1,155
citations

516710

16
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526287

27
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28
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docs citations

28
times ranked

940
citing authors

#	ARTICLE	IF	CITATIONS
1	Rational design of isostructural 2D porphyrin-based covalent organic frameworks for tunable photocatalytic hydrogen evolution. <i>Nature Communications</i> , 2021, 12, 1354.	12.8	286
2	Boosting Photocatalytic Hydrogen Production via Interfacial Engineering on 2D Ultrathin ZrS ₂ /S ₄ /g-C ₃ N ₄ Heterojunction. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	147
3	Dynamically Crosslinked Dry Ion-Conducting Elastomers for Soft Iontronics. <i>Advanced Materials</i> , 2021, 33, e2101396.	21.0	128
4	Ultrahigh piezocatalytic capability in eco-friendly BaTiO ₃ nanosheets promoted by 2D morphology engineering. <i>Journal of Colloid and Interface Science</i> , 2021, 596, 288-296.	9.4	77
5	Effects of Long- and Short-Range Ferroelectric Order on the Electrocaloric Effect in Relaxor Ferroelectric Ceramics. <i>Physical Review Applied</i> , 2019, 11, .	3.8	57
6	Remarkably enhanced piezo-photocatalytic performance in BaTiO ₃ /CuO heterostructures for organic pollutant degradation. <i>Journal of Advanced Ceramics</i> , 2022, 11, 414-426.	17.4	57
7	Engineering of g-C ₃ N ₄ -based photocatalysts to enhance hydrogen evolution. <i>Advances in Colloid and Interface Science</i> , 2021, 295, 102488.	14.7	52
8	Unveiling Catalytic Sites in a Typical Hydrogen Photogeneration System Consisting of Semiconductor Quantum Dots and 3d-Metal Ions. <i>Journal of the American Chemical Society</i> , 2020, 142, 4680-4689.	13.7	51
9	Protein adsorption on implant metals with various deformed surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 156, 62-70.	5.0	38
10	Giant Electrocaloric Effect and Ultrahigh Refrigeration Efficiency in Antiferroelectric Ceramics by Morphotropic Phase Boundary Design. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 45005-45014.	8.0	37
11	Effect of proteins on the surface microstructure evolution of a CoCrMo alloy in bio-tribocorrosion processes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 145, 176-184.	5.0	34
12	High-performance bifunctional polarization switch chiral metamaterials by inverse design method. <i>Npj Computational Materials</i> , 2019, 5, .	8.7	33
13	Emergent Enhanced Electrocaloric Effect within Wide Temperature Span in Laminated Composite Ceramics. <i>Advanced Functional Materials</i> , 2022, 32, 2108182.	14.9	25
14	Room-Temperature Symmetric Giant Positive and Negative Electrocaloric Effect in Pb _{0.5} Mg _{0.5} W _{0.5} O ₃ Antiferroelectric Ceramic. <i>Advanced Functional Materials</i> , 2021, 31, 2101176.	14.9	22
15	Tribocorrosion Behavior of Nanocrystalline Metals — a Review. <i>Materials Transactions</i> , 2015, 56, 1759-1763.	1.2	16
16	Composition-induced non-ergodic transition and electrocaloric evolution in Pb ^{1.5} La ¹ Zr ^{0.8} Ti ^{0.2} O ₃ relaxor ferroelectric ceramics. <i>IET Nanodielectrics</i> , 2019, 2, 123-128.	4.1	16
17	Role of gradient nano-structured surface in collapsed pitting corrosion on AISI 316L stainless steel during tribocorrosion. <i>Corrosion Science</i> , 2022, 197, 110043.	6.6	16
18	Influence of Phase Transitions on Electrostrictive and Piezoelectric Characteristics in PMN ³⁰ PT Single Crystals. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 38467-38476.	8.0	15

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19	Scattering Cancellation by a Monolayer Cloak in Oxide Dispersionâ€Strengthened Alloys. <i>Advanced Functional Materials</i> , 2020, 30, 2003270.	14.9	12
20	Nearâ€Roomâ€Temperature Large Electrocaloric Effect in Barium Titanate Single Crystal Based on the Electric Fieldâ€Temperature Phase Diagram. <i>Physica Status Solidi - Rapid Research Letters</i> , 2021, 15, 2100251.	2.4	7
21	Revealing the role of interfacial heterogeneous nucleation in the metastable thin film growth of rare-earth nickelate electronic transition materials. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 9333-9344.	2.8	6
22	Effect of deformed subsurface on the corrosion resistance of biomedical CoCrMo alloy in simulated physiological solution. <i>Journal of Materials Science</i> , 2020, 55, 13351-13362.	3.7	5
23	Discontinuous cracking of TiN films on a steel substrate induced by an adhesive interlayer. <i>Philosophical Magazine Letters</i> , 2019, 99, 199-207.	1.2	4
24	Prevention of Hydrogen Damage Using MoS2 Coating on Iron Surface. <i>Nanomaterials</i> , 2019, 9, 382.	4.1	4
25	Broadband, Highâ€Efficiency and Wideâ€Incidentâ€Angle Anomalous Reflection in Groove Metagratings. <i>Annalen Der Physik</i> , 2021, 533, 2100149.	2.4	4
26	Ultrasensitive Frequency Shifting of Dielectric Mie Resonance near Metallic Substrate. <i>Research</i> , 2022, 2022, .	5.7	3
27	Effects of substrate and tip characteristics on the surface friction of fluorinated graphene. <i>RSC Advances</i> , 2020, 10, 10888-10896.	3.6	2
28	Achieving Low Yield Ratio in Highâ€Strength Steel by Tuning Multiple Microstructures. <i>Steel Research International</i> , 0, , 2100415.	1.8	1